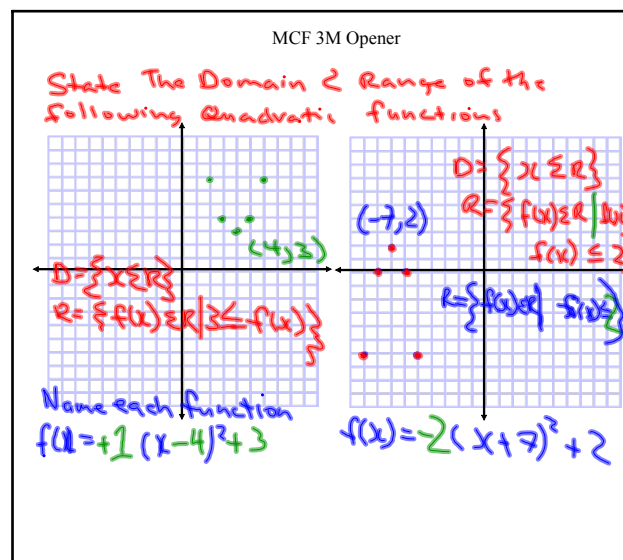


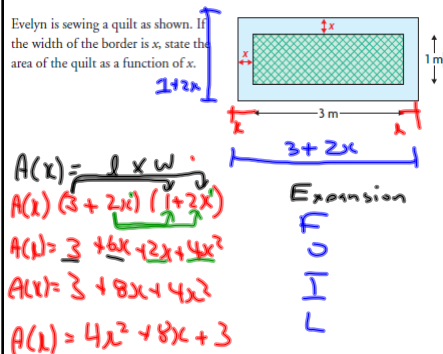
Feb 17-9:23 AM



Feb 17-9:23 AM

2.1 Working with Quadratic Expressions p. 78-87

Evelyn is sewing a quilt as shown. If the width of the border is x , state the area of the quilt as a function of x .



Feb 20-1:39 PM

2.1 Working with Quadratic Expressions

Multiplying Binomials

Expansion

First
Outside
Inside
Last

i) $(x+3)(x-6)$

$$x^2 - 6x + 3x - 18$$

$$x^2 - 3x - 18$$

ii) $(3x+2)(2x+3)$

$$(3x+2)(2x+\frac{3}{2})$$

$$= 6x^2 + 9x + 4x + 6$$

$$= 6x^2 + 13x + 6$$

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ii) $(2x-2)(4x+3)$

$$= 8x^2 + 6x - 8x - 6$$

$$= 8x^2 - 2x - 6$$

iii) $(3x+2)^2 \rightarrow$ Perfect Squares

$$(3x+2)(3x+2)$$

$$9x^2 + 6x + 6x + 4$$

$$9x^2 + 12x + 4$$

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iv) $(2x+2)(2x-2)$ Difference of Squares

$$4x^2 - 4x + 4x - 4$$

$$4x^2 - 4$$

v) $[4x(x-3)] + [(3x+2)(2x-6)]$

$$[4x^2 - 12x] + [6x^2 - 18x + 4x - 12]$$

$$4x^2 - 12x + 6x^2 - 18x + 4x - 12$$

$$10x^2 - 26x - 12$$

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q 5-8, 10, 11, 14, 15 p 86 & 87

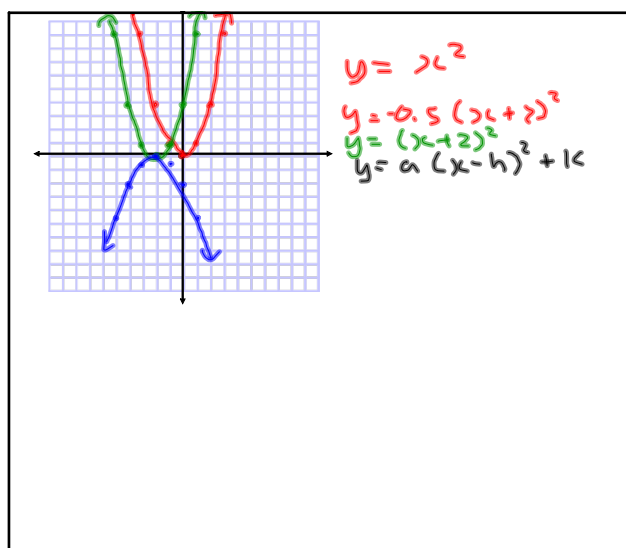
(odds) 5a, c, e...

p 543 q. 3 & 4

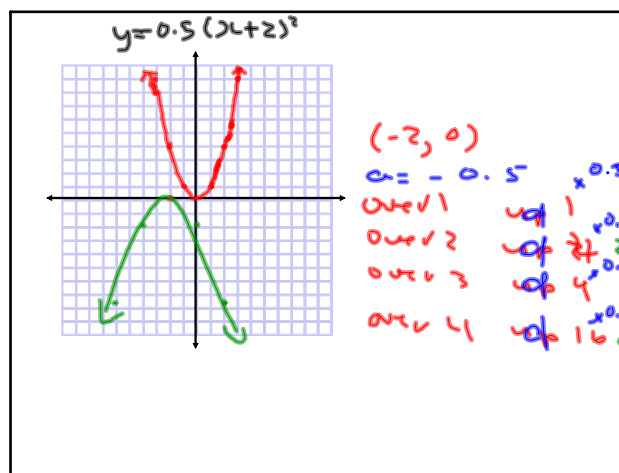
Feb 20-2:03 PM

$$\begin{aligned}
 & 5 \\
 & \hookrightarrow 2(x-3)^2 - (4x+1)(4x-1) \\
 & 2(x-3)(x-3) - (4x+1)(4x-1) \\
 & 2(x^2 - 3x - 3x + 9) - (4x+1)(4x-1) \\
 & 2x^2 - 6x - 6x + 18 - (4x+1)(4x-1) \\
 & 2x^2 - 6x - 6x + 18 - (16x^2 - 4x + 4x - 1) \\
 & 2x^2 - 6x - 6x + 18 - 16x^2 + 4x - 4x + 1 \\
 & -14x^2 - 12x + 19
 \end{aligned}$$

Feb 17-10:21 AM



Feb 17-10:51 AM



Feb 17-10:57 AM